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ABSTRACT OF THE DISCLOSURE

METHOD AND SYSTEM FOR NETWORK MANAGEMENT WITH REDUNDANT
MONITORING AND CATEGORIZATION OF ENDPOINTS

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A method, system, apparatus, and computer program product are presented for management of a distributed data processing system. Resources within the distributed data processing system are dynamically discovered, and the discovered resources are adaptively monitored using the network management framework. A network or system administrator configures some mission critical endpoints with multiple network interface cards (NICs) and specifies mission critical endpoints, non-mission critical actions, etc. During status collection activities associated with network or system management activities, the categorization of an endpoint as a mission-critical or non-mission critical endpoint affects the manner in which the status collection activity is performed. Applications can request the performance of actions at endpoints without regard to the categorization of the endpoint or without regard to the categorization of the requested action, and the network management system routes the action based on whether or not the specified endpoint is a mission critical endpoint. A non-mission-critical endpoint is associated with a mission-critical endpoint based on the non-mission-critical endpoint's communication history with the mission critical endpoint. The management system may use the status of a non-mission-critical endpoint as a reflection of the status of a mission-critical endpoint.